

Balancing Chemical Equations

1. sodium carbonate + calcium hydroxide → sodium hydroxide + calcium carbonate
2. carbon dioxide + water → carbonic acid
3. phosphorus + oxygen → diphosphorus pentoxide
4. sodium + water → sodium hydroxide + hydrogen
5. zinc + sulphuric acid → zinc sulfate + hydrogen
6. aluminum sulfate + calcium hydroxide → aluminum hydroxide + calcium sulfate
7. calcium oxide + water → calcium hydroxide
8. iron + copper(I) nitrate → iron(II) nitrate + copper
9. iron(II) sulfide + hydrochloric acid → hydrosulfuric acid + iron(II) chloride
10. potassium oxide + water → potassium hydroxide
11. ammonium sulfide + lead(II) nitrate → ammonium nitrate + lead(II) sulfide
12. mercuric hydroxide + phosphoric acid → mercuric phosphate + water
13. potassium hydroxide + phosphoric acid → potassium phosphate + water
14. calcium chloride + nitric acid → calcium nitrate + hydrochloric acid
15. potassium carbonate + barium chloride → potassium chloride + barium carbonate
16. sulfur dioxide + water → sulfurous acid
17. sodium carbonate + hydrochloric acid → sodium chloride + water + carbon dioxide
18. magnesium + nitric acid → magnesium nitrate + hydrogen
19. aluminum + ferric oxide → aluminum oxide + iron
20. potassium phosphate + magnesium chloride → magnesium phosphate + potassium chloride
21. ammonia + oxygen → nitrogen + water
22. calcium carbonate → calcium oxide + carbon dioxide
23. sodium chloride + sulfuric acid → sodium sulfate + hydrochloric acid
24. chromium + hydrochloric acid → chromium(II) chloride + hydrogen
25. copper + silver nitrate → copper(II) nitrate + silver
26. copper + sulfuric acid → copper(II) sulfate + sulfur dioxide + water
27. aluminum sulfate + ammonium bromide → aluminum bromide + ammonium sulfate
28. chlorine + sodium hydroxide → sodium chloride + sodium hypochlorite + water
29. sodium + water → sodium hydroxide + hydrogen
30. lead(II) nitrate → lead(II) oxide + nitrogen dioxide + oxygen

31. cupric oxide + ammonia → copper + water + nitrogen
32. sodium bicarbonate + sulfuric acid → sodium sulfate + water + carbon dioxide
33. ammonia + oxygen → nitrogen monoxide + water
34. potassium carbonate + hydrofluoric acid → potassium fluoride + carbon dioxide + water
35. fluorine + sodium hydroxide → sodium fluoride + oxygen + water
36. magnesium nitrate + calcium iodide → calcium nitrate + magnesium iodide
37. aluminum sulfate + ammonium bromide → aluminum bromide + ammonium sulfate
38. potassium fluoride + barium bromide → barium fluoride + potassium bromide
39. cupric nitrate + ammonium hydroxide → cupric hydroxide + ammonium nitrate
40. sodium nitrate → sodium nitrite + oxygen
41. ammonia + sulfuric acid → ammonium sulfate
42. hydrochloric acid + ammonia → ammonium chloride
43. aluminum + hydrochloric acid → aluminum chloride + hydrogen
44. calcium bicarbonate + calcium hydroxide → calcium carbonate + water
45. water + diphosphorus pentoxide → phosphoric acid
46. chlorine + sodium hydroxide → sodium chloride + sodium hypochlorite + water
47. plumbous nitrate → plumbous oxide + nitrogen dioxide + oxygen
48. chromium(III) chloride + sulfuric acid → chromium(III) sulfate + hydrochloric acid
49. magnesium bicarbonate + hydrochloric acid → magnesium chloride + water + carbon dioxide
50. iron + oxygen → ferric oxide
51. ferric oxide + carbon monoxide → iron + carbon dioxide
52. calcium chloride + chromium(III) nitrate → calcium nitrate + chromium(III) chloride
53. zinc sulfide + oxygen → zinc oxide + sulfur dioxide
54. iron(III) hydroxide → iron(III) oxide + water
55. aluminum sulfate + sodium bicarbonate → aluminum hydroxide + sodium sulfate + carbon dioxide
56. calcium phosphate + silicon dioxide + carbon → phosphorus + calcium silicate + carbon monoxide
57. magnesium nitride + water → magnesium hydroxide + ammonia
58. arsenic + oxygen → diarsenic trioxide
59. cupric oxide + ammonia → copper + water + nitrogen
60. ammonium dichromate → chromium(III) oxide + nitrogen + water
61. barium bromide + sodium phosphate → barium phosphate + sodium bromide
62. lead(II) sulfide + lead(II) oxide → lead + sulfur dioxide